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faculty from 1887 to 1892, when he was called to his alma mater as Silliman professor of geology. During this time he maintained as later an intimate connection with the United States Geological Survey and was associate editor of the *American Journal of Science* and *Journal of Geology* and a frequent contributor to other learned periodicals and societies.

In 1904 he was recalled to Cornell University as professor of geology and continued his work with the United States Geological Survey. He now retires to accept a pension under the Carnegie Foundation. The trustees desire to repeat the cordial expression of their appreciation of his ability and fidelity to the university which they recorded on his resignation in 1892. They further express the hope that he may long enjoy the facilities of the university to which he has generously contributed and continue his distinguished services to geological science.

SCIENTIFIC NOTES AND NEWS

DR. ALEXIS CARREL, of the Rockefeller Institute for Medical Research, has, according to cablegrams from Stockholm, been awarded the Nobel prize in medicine. Dr. Carrel, who was born in France in 1873, has carried forward important research work in experimental pathology, physiology and surgery.

SIR W. T. THISELTON-DYER, F.R.S., has been elected an honorary fellow of the Royal Society of South Africa.

THE Academy of Natural Sciences of Philadelphia has appointed Professor Allen J. Smith and Professor Hugo de Vries delegates to the dedication exercises of the Rice Institute, and Professor Henry Fairfield Osborn a delegate to the dedication exercises of the New York State Education Building.

PROFESSOR DUGALD C. JACKSON, head of the department of electrical engineering of the Massachusetts Institute of Technology, has been given leave of absence until January first and has gone to England at the British government's request. When the English Post Office Department considered the purchase of the different telephone lines, it determined to call one authority outside the country to work with the English commission. The selection of the government was Professor

Jackson, who is now called to England for the final work of appraisal.

PROFESSOR W. J. HUSSEY, director of the Detroit Observatory of the University of Michigan, is at present engaged, as has been reported in SCIENCE, in the reorganization of the Astronomical Observatory of the University of La Plata, Argentina, of which also he is director. Professor Hussey was granted eighteen months' leave of absence from Michigan last spring in order that he might carry forward the plan of cooperation between the observatory at Ann Arbor and the similar institution in the southern hemisphere. He left for the south last June and since that time has been followed by Messrs. P. T. Delavan and B. P. Dawson, both of whom have been trained in astronomical work at Michigan. Mr. Delavan returns to Argentina, where he was a member of the Carnegie expedition for the observation of fundamental stars in the southern hemisphere. The fourth member of the present expedition to the La Plata Observatory was Mr. H. J. Colliau, the Detroit Observatory instrument maker, who sailed on August 20 to join Professor Hussey and assist in the reconstruction of the instrumental equipment of the southern institution. With Mr. Colliau went a shipment of machinery, tools and supplies to equip the new observatory shop which Professor Hussey is having built at La Plata. Dr. Sebastian Albrecht, formerly of the Lick Observatory, and more recently first astronomer of the Argentine National Observatory at Cordoba, has been appointed junior professor of astronomy in the University of Michigan. During Professor Hussey's absence the Detroit Observatory of the University of Michigan is in charge of Professor R. H. Curtiss, the assistant director.

PROFESSOR HENRY FAIRFIELD OSBORN gave the address published in this issue of SCIENCE on behalf of the State Museum at the ceremonies in Albany connected with the dedication of the new museum quarters in the Education building on October 15. On the evening of that day a commemorative dinner was given

by Director Clarke to Professor Osborn and to the past and present members of the State Geological Survey staff at which covers were laid for about forty guests. Among those present were Dr. Charles D. Walcott, Dr. George F. Kunz, Professor James F. Kemp, Professor H. P. Cushing, Professor H. S. Williams, Professor Charles Schuchert, Dr. H. S. Fairchild, Dr. E. O. Hovey, Dr. C. S. Prosser, Dr. E. O. Ulrich, Dr. E. M. Kindle, Dr. P. E. Raymond, Dr. C. R. Eastman, Dr. H. B. Kummel, Dr. John C. Smock, Dr. J. B. Woodworth, Professor Gilbert Van Ingen, Dr. J. H. Stoller, Dr. C. P. Berkey, Professor H. P. Cleland, Professor C. E. Gordon, Professor A. W. Grabau, Dr. W. D. Matthew, Professor T. C. Hopkins and Professor W. J. Miller.

THE scientific and operative staff of the Pennsylvania Chestnut Tree Blight Commission is now completed, and is as follows:

Pathologist—F. D. Heald, until recently professor of botany in the University of Texas.

Field Pathologist—Paul J. Anderson.

Entomologist—A. G. Ruggles, previously associate entomologist of the Minnesota State Experiment Station.

Forester in Charge of Utilization—J. P. Wentling, recently professor of sylvics in the Minnesota State School of Forestry.

Physiologist in Charge of Tree Medication—Caroline Rumbold, formerly of the Missouri Botanic Garden.

Geographer—F. P. Gulliver, formerly of the U. S. Geological Survey.

Tree Surgeon—Roy G. Pierce, formerly of the U. S. Forest Service.

Chemist—Jos. Shrawder.

Assistant Pathologists—W. H. Elza, R. D. Spencer, C. A. Gates, D. C. Babcock, J. F. Burrows and R. C. Walton.

MR. JOSEPH C. BOCK, formerly instructor in chemistry at Michigan Agricultural College, has been appointed chemist in the Nutrition Laboratory of the Carnegie Institution of Washington, Boston, Massachusetts.

MR. JAMES H. GARDNER, formerly assistant geologist on the U. S. Geological Survey, who has recently been engaged in work on the clays, coals and oil fields for the State Geological Survey of Kentucky, has been engaged

by the Topographic and Geologic Survey of Pennsylvania and given charge of the mapping and general study of the Broad Top Coalfield, with field headquarters at Hopewell, Pa.

JOSEPH F. BREWSTER, A.B. (Delaware, '98), Ph.D. (Berlin, '12), has been added to the staff of the chemical division of the North Carolina Agricultural Experiment Station at West Raleigh. He will assist in the investigation of the toxicity of cotton seed meal.

WALDEMAR T. SCHALLER, Ph.D. (Munich), mineralogist and chemist of the United States Geological Survey, has returned to duty after six months leave of absence. Most of the time was spent in Germany at the universities of Munich and Heidelberg, but nearly all the chief mineral collections of Europe were also visited and studied.

PROFESSOR AZARIAH S. ROOT, who returns to Oberlin College from a half-year leave of absence for study abroad, has completed some investigations in connection with the problems of early printing. Professor Root, who is professor of bibliography and college librarian, conducted special research work in the John Rylands Library, Manchester, England, the Bodleian, the British Museum, and the Bibliothèque Nationale in Paris, supplemented by later travel in Belgium and Holland to determine whether Johann Gutenberg of Mainz or Laurenz Coster of Haarlem was the originator of printing by movable types.

IN the proceedings of the Minneapolis meeting of the American Association for the Advancement of Science, the death is announced of Charles Frederick Shaw, of State College, Pa., the name having been confused with that of Charles H. Shaw, of Ambler, Pa., who was drowned in Canada. Professor C. F. Shaw writes to the permanent secretary of the association: "I wish to say that to the best of my knowledge I did not die in 1911, nor have I been dead at any time since. At least my life insurance policy is still in force and I am carrying on the work that I have been doing during the past years. I have interviewed several of my co-workers, all of whom have assured me that I am still living and with this

evidence I believe I can at least say with Mark Twain 'that the report is grossly exaggerated.'"

At the annual meeting of the American Association for the Study and Prevention of Infant Mortality, held in Cleveland, the following officers were elected to serve for the ensuing year: *President*, Dr. L. Emmet Holt, of New York; *president-elect*, Dr. J. Whitridge Williams, of Baltimore; *first vice-president*, Dr. Isaac A. Abt, of Chicago; *second vice-president*, Dr. Arthur D. Baldwin, of Cleveland; *secretary*, Dr. Philip Van Ingen, of New York; *treasurer*, Dr. Austin McLanahan, of Baltimore; *executive secretary*, Miss Gertrude B. Knipp, of Baltimore. The next meeting of the association will be held in Kansas City, Missouri.

DR. C. P. STEINMETZ gives each year a lecture in Chicago before a joint meeting of the Chicago Section of the American Institute of Electrical Engineers and the Electrical Section of the Western Society of Engineers. The lecture this year will be on October 28 and the subject is "Some Problems in Electrical Engineering."

ON the evening of October 3 Professor H. E. Jordan, of the University of Virginia, delivered an address on "Eugenics: the Rearing of the Human Thoroughbred," before the American Association for the Study and Prevention of Infant Mortality, meeting in Cleveland.

THE Royal Geographical Society, London, proposes to hold on March 17 a meeting commemorative of the centenary of the birth of David Livingstone, when Sir Harry Johnston will give an address and there will be an exhibition of Livingstone relics. At a date not yet fixed Sir Clements Markham will give an address in commemoration of the discovery of the Pacific Ocean in 1513 by Balboa.

THE Rev. Dr. Walter W. Skeat, professor of Anglo-Saxon at Cambridge University, died on October 7 at the age of seventy-seven years.

THE state of Minnesota has engaged Dr. Ernest B. Hoag, a health expert, to travel about the state and demonstrate to the citi-

zens that rational conservation of the mental and physical health of children is possible and practicable with the means already at hand. Three plans are proposed: (1) Organization with a medical officer and a nurse or nurses; (2) organization with a school nurse or nurses only; (3) organization by the employment of a simple non-medical health survey on the part of the teacher only. To make it possible for every community, however small, to possess the necessary technical knowledge, the state board of health will maintain at the state capital a "clearing house of information concerning child hygiene, medical supervision, the teaching of school hygiene and the like."

UNIVERSITY AND EDUCATIONAL NEWS

A HUNDRED thousand dollars to endow scholarships for young men has come to the University of California through the decree of final distribution for the estate of Mrs. Carrie M. Jones, of Los Angeles.

MOUNT HOLYOKE's alumnæ committee reports that its efforts to raise a half million dollar fund for the college have met with success. The committee has turned over to President Woolley vouchers for \$552,000. Of this amount \$100,000 is to be devoted toward a \$125,000 student-alumnæ building.

THE trustees of Columbia University announce that under the will of the late Augustus W. Openhym an endowment had been established for research work into the cause, prevention and cure of cancer. The amount of the gift was not made public, but it was said the sum was considerable. If at any time further research into cancer shall no longer be necessary, Mr. Openhym's will stipulates that the income may be used for research work in any branch of medicine or surgery. The endowment under Mr. Openhym's will is to be known as the Openhym Research Fund, and the terms of the gift are substantially the same as those of the Crocker Research Fund which amounts to \$1,440,000. The authorities of Columbia University plan to combine the two endowments.

On September 24 ground was broken, as we learn from the *Journal* of the American Med-